

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Lactophenol Cotton Blue**

Other Common Names: None

Catalog Number: Z68

1.2. Recommended use

For the staining of fungi in slide wetmounts.

1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
 1430 West McCoy Lane
 Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

Acute Toxicity, Oral (Category 4), H302

Acute Toxicity, Dermal (Category 4), H312

Acute Toxicity, Inhalation (Category 4), H332

Skin Corrosion (Category 1), H314

Eye Damage (Category 1), H318


Germ Cell Mutagenicity (Category 2), H341

Single Target Organ Toxicity (Category 2), H371

Acute Aquatic Toxicity (Category 3), H402

Chronic Aquatic Toxicity (Category 3), H412

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H341	Suspected of causing cancer.
H371	May cause damage to organs.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements:	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mists or vapors.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves and face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P308+P311+P313	IF exposed or concerned: Immediately call a POISON CENTER or get medical attention.
P312	Call a doctor if you feel unwell.
P321	Specific treatment (see supplemental first aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents or container at an approved waste disposal facility, according to applicable regulations.

2.3. **Hazards not otherwise classified or not covered by GHS**

No data available.

3. Composition/Information on Ingredients

3.1. **Mixtures**

Hazardous components:

Substance:	Concentration:	Hazard Information:
Phenol (CAS# 108-95-2)	18.0%	Acute Oral Toxicity 4, Acute Dermal Toxicity 4, Acute Inhalation Toxicity 4, Skin Corrosion 1, Eye Damage 1, Germ Cell Mutagenicity 2, Single Target Organ Toxicity 2, Acute Aquatic Toxicity 3, Chronic Aquatic Toxicity 3
Lactic Acid (CAS# 138-22-7)	18.0%	Skin Corrosion 1, Eye Damage 1, Single Target Organ Toxicity 2, Aquatic Toxicity 3, Chronic Aquatic Toxicity 3

4. First Aid Measures

4.1. **Description of first aid measures**

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
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Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.
Skin Contact:	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

5. Firefighting Measures

5.1. Extinguishing media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. Further information

No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

Environmental precautions

No data available.

6.2. Methods and materials for containment and cleaning up

Ventilate area of leak or spill. Recover spill or leak with inert material such as vermiculite or sand. Contain recovered material in a suitable receptacle.

6.3. Reference to other sections

For disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Wear appropriate personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool dry place in accordance with specified storage conditions.

7.3. Specific end uses

Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. Control parameters

No data available.

8.2. Appropriate engineering controls

Safety shower and eye bath.

8.3. Personal protective equipment

Eye/Face:	Safety goggles.
Skin:	Chemical resistant gloves.
Respiratory:	None for normal use.
Thermal Hazards:	None for normal use.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical State: Liquid Color: Bright Blue
Odor:	Tar-like, pungent odor
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	Not Determined
Boiling Point:	Not Determined
Flash Point:	Not Determined
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
Water Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

9.2. Other safety information

No data available.

10. Stability and Reactivity

Reactivity	No data available.
Chemical stability	This product is stable.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	No data available.
Hazardous decomposition products	No dangerous decomposition products known.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	No data available.

12. Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. Disposal Considerations

13.1. Waste disposal

Dispose of in accordance with applicable state and federal regulations.

Disposal must be in accordance with regulations 40 CFR 261.

14. Transport Information

DOT hazard class	Class 6.1 Poisonous Material
Shipping name	Phenol Solutions
Identification number	UN2821
Packing group	II

15. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may



present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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HARDY DIAGNOSTICS

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